

REMARKS

Claims 3-4 and 6-13 are pending. In the Notice of Non-Complaint mailed November 14, 2005, the Examiner requested showing certain claimed structures. Responsive to each of the Examiner's requests, Applicant has amended one or more of the specification, the claims and/or the drawings as explained below.

1. In response to Examiner's request to identify "The lead frame being rotationally symmetrical (U-phase has an additional lead line extending radially outward from the lead frame," Applicant has amended the claims to recite "substantially symmetrical". In addition, Fig. 2 has been amended to identify the lead lines extending from radially outward from tracks 18' and 20' as 118 and 120, respectively. Lead lines 118 and 120 are identified in claim 4 for connecting tracks (18', 20') with the positive and negative power supply sources. Support for this amendment is found, for example, at Fig. 1 and at page 4, lines 16-21 of the specification.
2. In response to Examiner's request to identify "the lead frame adapted for direct electrical connection of the electrical components (claims 3, 4 and 6-13)," the claims have been amended to recite that such connection is made through control pins of the electronic components. (See, e.g., claim 4.) Support for this amendment is found, for example, at Figs. 1 and 2, as well as, the paragraph bridging pages 2 and 3 of the specification.
3. In response to the Examiner's request to identify "the bent and stamped parts of the lead frame (claim 8)", Applicant notes that ample description for this recitation appears throughout the specification. For example, at page 3, lines 10-12, the specification discloses: "A three-dimensional lead frame e.g. with elements and tabs bent at an angle which protrudes from the tracks can more effectively dissipate the heat which is generated by the electronic components." In addition, at page 5, lines 14-15, the specification discloses "Additionally in order to improve heat dissipation, stamped and bent elements can be provided which protrude from the tracks." Applicant respectfully submits that one of ordinary skill in the art reading the disclosure would readily understand the claimed configuration without the need to resort to additional drawings.

For this reason, additional figures are not deemed necessary in furthering the description.

Accordingly, reconsideration and withdrawal of this request are deemed appropriate.

4. In response to the Examiner's request to identify "the support component between the electronic components and the lead frame (claim 10)," Applicant has amended claim 10 to identify the support components as tracks 18' and 20' which are positioned between the lead frames (118, 120) and the electronic components (22'-32'). Support for this amendment is found throughout the specification, for example, at page 4, lines 19-21 which recites "Power transistors T1 to T6, 22' to 32' are electrically connected directly to lead frame, the lead frame acting as a support component for the power transistor, thus minimizing resistance caused by additional cable wire lengths and plug or solder connections."

5. In response to the Examiner's request to identify "the support between the lead frame and the components being a heat sink (claim 11)," Applicant has amended the claim 11 to recite the supporting components (18', 20') also function as a heat sink. Support for this amendment is found throughout the specification, for example, at page 3, lines 12-14 which recites "a support component can be inserted between the lead frame and the electronic components. This preferably acts as a heat sink and can have the shape of a metal plate. It should be noted that in the embodiment of Fig. 3, carrier 40, which supports transistors 22'-32', also acts as a heat source. See, e.g., page 5, lines 24-26.

6. In response to the Examiner's request to identify "lead frame mounted to the front of the housing with connection wires to the phase windings (claim 12)," Applicant has amended claim 12 to recite "one or more lead frames (18, 20) having tracks (18', 20') for connecting the power supply wires (118, 120) and the phase windings of the electric motor." In addition, while disagreeing with the basis for the Examiner's request, the recitation "wherein the lead frame is located at a front end of the electrical motor" has been deleted from claim 12 to expedite issuance of the application.

7. In response to the Examiner's request to identify "the support device held by a multiple part motor housing (claim 13)," while disagreeing with the basis of the Examiner's rejection,

claim 13 has been cancelled herein without prejudice or disclaimer in order to expedite issuance of the application.

In view of the amendments and the remarks made herein, Applicant respectfully submits that the application is now in condition for allowance.

Applicant hereby requests a one month extension of time pursuant to 37 CFR 1.136(a) and a check in the amount of \$120.00 is enclosed herewith. If a further extension of time is deemed appropriate, the Office is hereby requested and authorized to charge the appropriate extension of fees against Deposit Account No. 04-1679 associated with Duane Morris LLP. The Examiner is invited to contact the undersigned to discuss any remaining issues.

Respectfully submitted,



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EXHIBIT A

Amendment to the Drawings

Attached hereto is Exhibit A a courtesy copy of a previously-filed Replacement sheet and Annotated Marked-up Drawing showing amendments to Figure 2. Figure 2 was amended to correct informalities identified by the examiner. No new matter has been added.



"Annotated Marked-up Drawing"

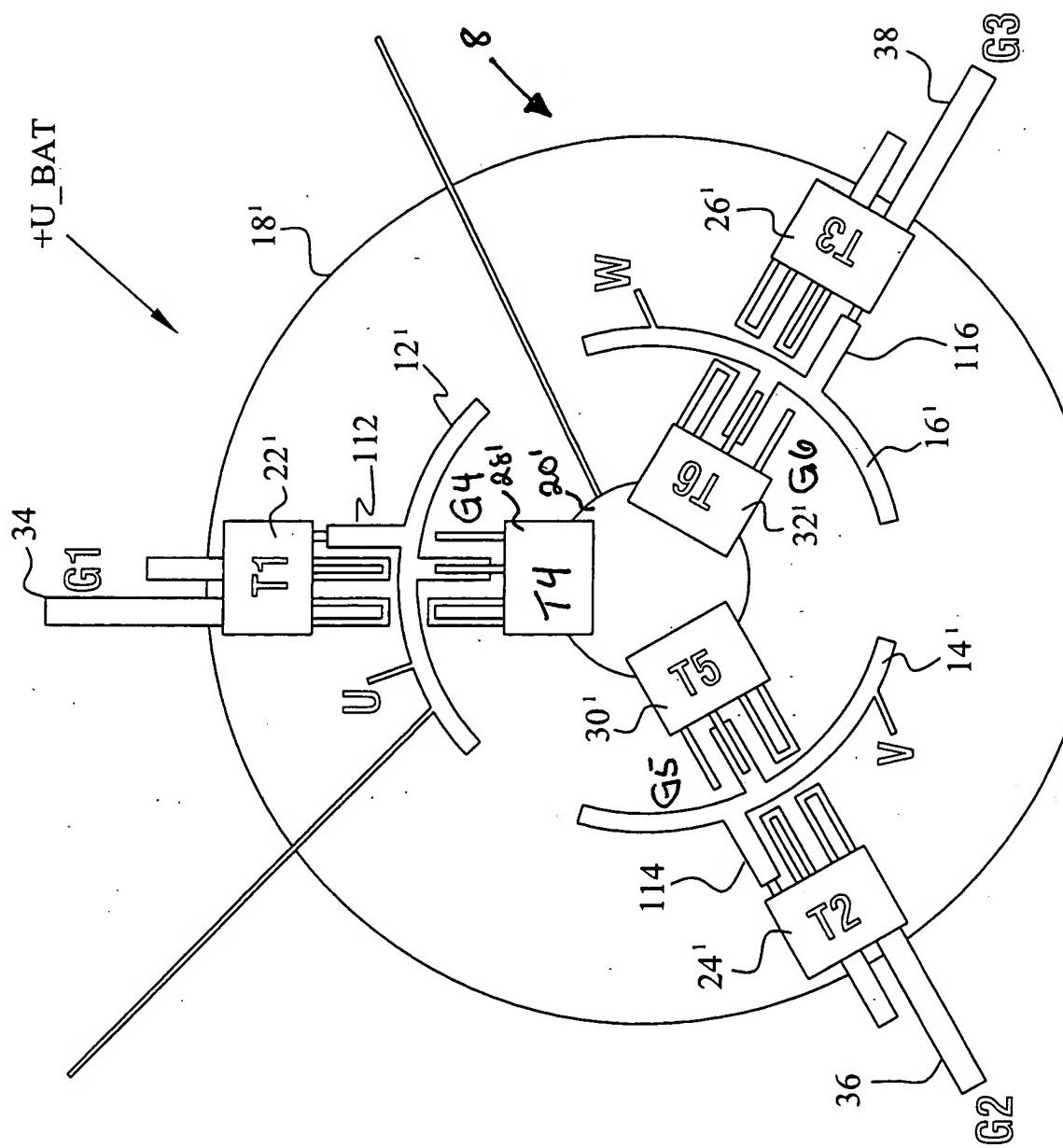


FIG. 2